




Synthesis et Analysis.

Vulgo

ALGEBRA.

1. **W**hereas 'tis universally granted by the *Learned*, That the *Sciences Mathematical* have their Rise and Foundation in *Algebra*; **This** then ought first to be Learned, in order to a True and Ealie obtaining the Rest.
2. The most knotty and difficult Problems, which are to be met withal in the Works of *Euclid*, *Archimedes*, *Diophantus*, *Pergæus*, *Vieta*, &c. and in those of our own Country-men, as the Learned and Reverend Mr. *Oughtred*, Mr. *Harriot*, Dr. *Pell*, Mr. *Kersey*, Dr. *Wallis*, and others; are hereby Explained, Demonstrated, and made Intelligible to mean Capacities.
3. A *Learner*, in a Month or Six Weeks, may know more in *Arithmetick* and *Geometry*, by help of this *Analytics*, than 'tis possible he should Ever comprehend by any other Method.
4. **YOUTH**, about Twelve or Thirteen Years-old, by taking one or two Lessons a day, do in a short time become good Proficients therein.  And the Truth of this Assertion will be evident to any that shall please to come and see those Youths, which are Boarded and Taught in the Author's House.
5. This only true and solid *Learning* clears and satisfies the Understanding, leaving it fully convinc'd, and without scruple; And consequently 'tis the most proper and effectual means to settle the Mind, and fix Reason in *Youth*.
6. So much of this *Learning* as is once understood, cannot be forgotten, by reason of the *Demonstration* that goes along with it.

The Professor of this Excellent and Ancient Learning, may be heard of at Mr. Warner's a Mathematical Instrument-maker, in little *Lincolns-Inn Fields*, at the Sign of the Kings-Arms and Globe, near *Lincolns-Inn Gate*: or at his House in *Fanchurch-Street*, *London*.

The Nobility and Gentry are Taught at their own Houses.

By John Ward.

Omar Tiberiadis
on the book in Latin
G. 2. for Aetiological Questions

D^r Seth Ward [now B^p of Sarum] when he was Prof^r
of Trinity Coll: Oxon, did draw his Geometrical Scheme
with Black, red, yellow, green, and blue-ink to avoid
perplexity of A, B, C, &c.

D^r Pell told me of a learned Divine [a German, whose
name I have forgot] that did use Inkes of various colours
black, red, yellow, green, blue and that he did find benefit
by it for his memory's sake.

My dear friend Auth. Ethick Esq., has
told me, that he has got Teuthers and pounds
by his knowledge in computation of Ephemer-
e. g. [inter alia] a Copiehold of twenty
pounds p^a annu. at 14 years purchase
in 25 years p^a annu. p^a annu. Principal &
Interest at 5th per Cent.

G. + id genus ab eodem.

Buy the last Edition of Philip's Purcha-
-fers Pattern: & vide of Jonas Moore's
Arithmetick, &c. D^r G. Pell de hys